

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SAEG106.001APCAPPLICATION NO.
10/070,048INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
Nishino, et al.FILING DATE
February 22, 2002GROUP
Unknown

153

MAY 24 2002

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PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AS	57-147577	09/11/82	Japan			Abstract	
	EP 0 285 175	10/05/88	Europe				
	EP 0 658 373	06/21/95	Europe				
	09-077691	03/25/97	Japan			Abstract	
	2000-86598	03/28/00	Japan			Abstract	

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL		
AS	1. Tran, C.D., et al., "Stereoselective Energy Transfer Induced by Circularly Polarized Light," Study Phys. Theory Chem. Vol.7 p.53-66, 1979 *	
	2. Miesen, F.W.A.M., et al., "Synthesis of Optically Pure 3-(n ⁺)-(15,6R)-Bicyclo[4.4.0]decane-3,8" dione, a Molecule Which is Chiral in the Excited State Only," J. Am. Chem. Soc., Vol.116, No.12, p.5129-5133, 1994 *	
	3. Inoue, Y., et al., "Hikari de Fusesi Gousei ni samanu," Sakigake Kenkyu 21 Kenkyu Houkokukai, Hikari to Busshitsu Kouen Youshishuu 1994, p.42-48, 1995 *	
	4. Selam, A., et al., "On enantiomeric excess obtained from racemic mixtures by using circularly polarized pulsed lasers of varying durations," Chem. Phys. Vol.226, No. 1, P. 115-128, 1998 *	
	5. Bumham, K.S., et al., "A Search for Chiral Photochromic Optical Triggers for Liquid Crystals: Photocyclization of 1, 1-Binaphthylpyran through a Transient Biaryl Quinone Methide Intermediate," J. Am. Chem. Soc., Vol.120, No. 49, p.12819-12825, 1998 *	
	6. Inoue, Y., et al., "Pressure and Temperature control of Product Chirality in Asymmetric Photochemicality: Enantioselective Photoisomerization of Cyclooctene Sensitized by Chiral Benzeneacylcarboxylates," J. Am. Chem. Soc., Vol.120, No. 41, p.10687-10696, 1998 *	
	7. Nishino, H., et al., "First Reversible Asymmetric Photoisomerization with Circularly Polarized Light: Absolute Asymmetric Synthesis of Norbornadiene and Quadricyclane," Proceedings II of 1989 76 th National Meeting of Chemical Society of Japan, p.1157, 1C741, March 15, 1999 *	

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* no month

EXAMINER

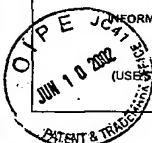
Sama Wang

DATE CONSIDERED

12/1/03

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SAEG108.001APC	APPLICATION NO. 101070,048
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Nishino, et al.	GROUP <u>1753</u>
		FILING DATE February 22, 2002	



U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

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JUN 13 2002
TC 1700

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
1	Inoue Y, et al. "Absolute Asymmetric Syntheses of Norbornadiene and Quadricyclane Derivatives with Circularly Polarized Light: First Reversible Asymmetric Photoisomerization between Norbornadienes and Quadricyclanes with Circularly Polarized Light" and its translation <u>raduete</u>	

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EXAMINER <u>Sama Wong</u>	DATE CONSIDERED <u>12/1/03</u>
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CORRECTED FORM 1449
REPLACE FORM FILED JUNE 10, 2002

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SAEG106.001APC	APPLICATION NO. 10/076,048
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Nishino, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE February 22, 2002	GROUP Unknown 753

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